

IN THE ABSTRACT

Please amend the abstract of the disclosure as follows:

The invention provides a battery which has both excellent high-load characteristics and low-temperature characteristics. The A battery comprises a battery device, wherein a cathode and an anode are layered and wound with a separator and an electrolyte in between them. The electrolyte is formed by firstly forming a coating layer containing a high molecular weight compound, a high viscosity solvent having a boiling point of more than 150° C., and an electrolyte salt on the cathode and the anode, and then injecting an injection solution containing a low viscosity solvent having a boiling point of 150° C., or less in the coating layer. A concentration of the low viscosity solvent in the electrolyte changes in the facing direction of the cathode and the anode. The concentration of the low viscosity solvent in the electrolyte is higher between the cathode and the anode, than on the cathode side and the anode side. Therefore, a diffusion rate of lithium ions is raised, and overvoltage is reduced.